

PEF1 Human

Description: PEF1 Human Recombinant fused with a 36 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 320 amino acids (1-284 a.a.) and having a molecular mass of 34.5kDa. The PEF1 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-106

For research use only.

Synonyms: Peflin, PEF protein with a long N-terminal hydrophobic domain, Penta-EF hand domain-containing protein 1, PEF1, ABP32, PEF1A.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMASY
PYRQGCPCGAA GQAPGAPPGSYYPGPPNSGG QYGSGLPPGG GYGGPAPGGP
YGPPAGGGPY GHPNPGMFPS GTPGGPYGGAAPGGPYGQPP PSSYGAQQPG
LYGQGGAPPN VDPEAYSWFQ SVSDHSGYI SMKELKQALVNCNWSSFNDE TCLMMINMFD
KTKSGRIDVY GFSALWKFIQ QWKNLFQQYD RDRSG

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

The PEF1 solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl.

Stability:

PEF1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

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Introduction:

Penta-EF-hand domain containing 1 (PEF1) is a member of the penta-EF-hand protein family, which shares similarities to the apoptosis linked gene ALG-2. PEF1 forms heterodimers with PDCD6/ALG2 and dissociates from PDCD6/ALG2 in the presence of Ca (2+). Furthermore, PEF1 proteins bind calcium and participate in a various calcium-dependent processes in vertebrates.

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